OIPE



Attorney Docket No.: 19916-003810 S • OCT 0 1 2001 Client Ref. No.:

As the below named inventor(s), I/we declare that:

PTO/SB/01A (10-00)
Approved for use through 10/31/2002. OMB 0651-0032

Under the Paperwork Reduction Act of 1995, no person by required to respond to a collection of information unless it displays a valid OMB control number.

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)

| This declaration is directed to: | | | | |
|---|---|--|--|--|
| | The attached application, or | | | |
| | Application No. <u>09/882,193</u> , filed on <u>June 13, 2001</u> , | | | |
| | as amended on (if applicable); | | | |
| I/we believe that I/we am/are to for which a patent is sought; | he original and first inventor(s) of the subject matter which is claimed and | | | |
| | I/we have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment specifically referred to above; | | | |
| known to me/us to be material which became available betw | I/we acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me/us to be material to patentability as defined in 37 CFR 1.56, including material information which became available between the filing date of the prior application and the National or PCT International filing date of the continuation-in-part application, if applicable; and | | | |
| All statements made herein of my/our own knowledge are true, all statements made herein on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001, and may jeopardize the validity of the application or any patent issuing thereon. | | | | |
| | | | | |
| FULL NAME OF INVENTOR(S) | | | | |
| , | ander Empedocles Date: 8/3/10/ | | | |
| , | 1/21/21 | | | |
| Inventor one Stephen Alex | Citizen of: United States | | | |
| Inventor one Stephen Alex Signature: Inventor two Andrew R. Wa | Citizen of: United States | | | |
| Inventor one Stephen Alex Signature: Andrew R. Was Signature: | Citizen of: United States Date: | | | |
| Inventor one Stephen Alex Signature: Inventor two Andrew R. Was Signature: Inventor three Vince Phillips | Citizen of: United States Date: 8/31/01 Citizen of: United States Citizen of: United Kingdom | | | |
| Inventor one Stephen Alex Signature: Inventor two Andrew R. Was Signature: Inventor three Vince Phillips | Citizen of: United States Date: | | | |
| Inventor one Stephen Alex Signature: Inventor two Andrew R. Was Signature: Inventor three Vince Phillips Signature: Inventor four Edith Wong | Citizen of: United States Date: | | | |

Burden Hour Statement: This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is used by the public to file (and the PTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This form is estimated to take 1 minute to complete. This time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Attorney Docket No.: 19910-003810US Client Ref. No.:

PTO/SB/01A (10-00)

Approved for use through 10/31/2002. OMB 0651-0032
Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
to a collection of information unless it displays a valid OMB control number.

United States

Citizen of:

additional form(s) attached hereto.

Under the Paperwork Reduction Act of 1995, no person

Signature:

Additional inventors are being named on _

As the holow named inventor(s) I/wa declare that:

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)

| To the below flamed inventor(e), hwe decide that. | | | | | |
|---|---|---|--|--|--|
| This declaration is direct | cted to: | | | | |
| I | | The attached application | , or | | |
| 1 | \boxtimes | Application No. 09/882,19 | 93, filed on <u>June 13, 2001</u> , | | |
| | | as amended on | _ (if applicable); | | |
| | I/we believe that I/we am/are the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought; | | | | |
| | I/we have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment specifically referred to above; | | | | |
| I/we acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me/us to be material to patentability as defined in 37 CFR 1.56, including material information which became available between the filing date of the prior application and the National or PCT International filing date of the continuation-in-part application, if applicable; and | | | | | |
| information and belief a knowledge that willful t | are beli false sta | eved to be true, and furthatements and the like are | ge are true, all statements made herein on ner that these statements were made with the punishable by fine or imprisonment, or both, the application or any patent issuing thereon. | | |
| FULL NAME OF INVEN | TOR(S) | | | | |
| Inventor one Steph | nen Alex | ander Empedocles | Date: | | |
| Signature: | · · · · · · · · · · · · · · · · · · · | | Citizen of: United States | | |
| Inventor twoAndre | w R. W | atson | Date: 9-12-01 | | |
| Signature: | <. 4 | | Citizen of: United Kingdom | | |
| Inventor threeVince | Phillips | | Date: 9-/2-01 | | |
| Signature: | - 4 | Jul) | Citizen of: United States | | |
| Inventor fourEdith | Wong | | Date: | | |

Burden Hour Statement: This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is used by the public to file (and the PTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This form is estimated to take 1 minute to complete. This time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Attorney Docket No.: 19916-003810US

Under the Paperwork Reduction Act of 1995, no person

This declaration is directed to:

As the below named inventor(s), I/we declare that:

PTO/SB/01A (10-00)

Client Ref. No.:

Approved for use through 10/31/2002. OMB 0651-0032
9.3. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
d to respect to a collection of information unless it displays a valid OMB control number.

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)

| The attached application, or | | | | |
|---|--|--|--|--|
| Application No. <u>09/882,193</u> , filed on <u>June 13, 2001</u> , | | | | |
| as amended on | (if applicable); | | | |
| I/we believe that I/we am/are the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought; | | | | |
| I/we have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment specifically referred to above; | | | | |
| I/we acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me/us to be material to patentability as defined in 37 CFR 1.56, including material information which became available between the filing date of the prior application and the National or PCT International filing date of the continuation-in-part application, if applicable; and All statements made herein of my/our own knowledge are true, all statements made herein on | | | | |
| information and belief are believed to be true, and fur knowledge that willful false statements and the like ar under 18 U.S.C. 1001, and may jeopardize the validity of | e punishable by fine or imprisonment, or both, | | | |
| FULL NAME OF INVENTOR(S) | | | | |
| Inventor one <u>Stephen Alexander Empedocles</u> | Date: | | | |
| Signature: | Citizen of: United States | | | |
| Inventor two Andrew R. Watson | Date: | | | |
| Signature: | Citizen of: United Kingdom | | | |
| Inventor three Vince Phillips | Date: 8(3//0) | | | |
| Signature: Signature: Signature: | Citizen of: United States | | | |
| Inventor four <u>Edith Wong</u> | _Date: | | | |
| Signature: | Citizen of: United States | | | |
| Additional inventors are being named on additional form(s) attached hereto. | | | | |

Burden Hour Statement: This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is used by the public to file (and the PTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This form is estimated to take 1 minute to complete. This time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

| | OIP | 7 | | |
|---|-------------------|-----------------------------|---|--|
| ` | / 5 | 4.7 | | |
| Please type a plus sign (+) inside this box | . or na | and S tons | PTO/SB/81 (02-01) | |
| | 38 1101 0 1 | ω A U.S. Pertent and Tra | pproved for use through 10/31/2002, OMB 0651-0035 | |
| Under the Paperwork Reduction Act of 1995, no persons are n | | | | |
| | Application | Number | 09/882,193 | |
| | Filing Date | | June 13, 2001 | |
| POWER OF ATTORNEY OR | First Named | Inventor | Empedocles, Stephen Alexander SINGLE TARGET COUNTING ASSAYS | |
| AUTHORIZATION OF AGENT | Title | | USING SEMICONDUCTOR NANOCRYSTALS | |
| | Group Art L | Jnit | 1651 | |
| | Examiner N | ame | Not Yet Assigned | |
| | Attorney Do | ocket Number | 19916-003810US | |
| 1 houghy appoint | | | | |
| I hereby appoint: | | | Place Customer | |
| Practitioners at Customer Number 2035 | 0 | | Number Bar Code Label here | |
| ☐ Practitioner(s) named below: | | | | |
| Name | | Registra | ation Number | |
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| go my/our atternoy/o) or arout/o) to proceed to the | a confloction ide | ntified above and | to transport oil | |
| as my/our attorney(s) or agent(s) to prosecute the business in the United States Patent and Tradem | | | to transact all | |
| | | | | |
| Please change the correspondence address for the | he above-identif | ied application to: | | |
| ☐ The above-mentioned Customer Number. OR | | | | |
| ☐ Practitioners at Customer Number | | | > | |
| | | | | |
| L Firm or Individual Name | | | | |
| Address | | * | - | |
| City | Sta | ate CA | ZIP | |
| Country | | I | 1, 1 | |
| Telephone | F | ax | | |
| I am the: | | | | |
| Applicant/Inventor. | | | | |
| Assignee of record of the entire Interest. See 37 CFR 3.71. | | | | |
| Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96). | | | | |
| SIGNATURE of Applicant or Assignee of Record | | | | |
| | // | | | |
| Name Kerneth Bargysky, Ph.D. Vice President and Intellectual Property Counsel Signature | | | | |
| Date | | | | |
| NOTE: Signatures of all the inventors or assigned | ees of record of | the entire interes | t or their representative(s) are required | |
| Submit multiple forms if more than one signature | e is required, se | e below*. | | |
| ☐ *Total of forms are submitted. | | | | |

Burden Hour Statement: This form is estimated to take 3 minutes to complete. Time will vary depending upon the needs of the individual case. Any Comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231. SF 1260091 v1

PTO/SB/96 (08-00)
Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
persons are required to respond to a collection of information unless it displays a valid OMB control number.

Attorney Docket No. 19916-003800 Under the Pap

| STATEMENT UNDER 37 CFR 3.73(b) | |
|---|-------|
| Applicant/Patent Owner: Stephen Alexander Empedocles, et al. | |
| Application No./Patent No.: 09/882,193 Filed/Issue Date: June 13, 2001 | |
| Entitled: SINGLE TARGET COUNTING ASSAYS USING SEMICONDUCTOR NANOCRYSTALS | _ |
| Quantum Dot Corporation , a California corporation | _ |
| (Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, | etc.) |
| states that it is: | |
| 1. the assignee of the entire right, title, and interest; or | |
| 2. an assignee of an undivided part interest | |
| in the patent application/patent identified above by virtue of either: | |
| A. An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the Patent and Trademark Office at Reel, Frame, or for which a copy thereof is attached. | |
| OR | |
| B. A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below: | ; |
| To: The document was recorded in the United States Patent and Trademark Office at Reel, Frame, or for which a copy thereof is attached. | |
| 2. From: To : | |
| The document was recorded in the United States Patent and Trademark Office at Reel, Frame, or for which a copy thereof is attached. | |
| 3. From: To : | |
| The document was recorded in the United States Patent and Trademark Office at | |
| Reel, Frame, or for which a copy thereof is attached. | |
| Additional documents in the chain of title are listed on a supplemental sheet. | |
| ☐ Copies of assignments or other documents in the chain of title are attached. | |
| [NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.8] | |
| The undersigned (whose title is supplied below) is empowered to sign this statement or behalf of the assignee. | |
| 12 Sep de Will and | |
| Date Signature | • |
| Kenneth Barovsky, Ph.D. | |
| Typed or printed name | |
| <u>Vice President and Intellectual Property Counsel</u> Title | |
| TIUG | |

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Attorney Docket No.: 19916-003810US Client Reference No.: 0009

ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, Stephen Alexander Empedocles, of 2507 Mardell Way, Mountain View, CA 94043; Andrew R. Watson, of 1 Spring Lane, Belmont, CA 94002; Vince Phillips, of 863 Lewis Avenue, Sunnyvale, CA 94086; Edith Wong, of 22 Voterra Court, Danville, CA 94526; hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention:

SINGLE TARGET COUNTING ASSAYS USING

SEMICONDUCTOR NANOCRYSTALS

Date(s) of execution of Declaration:

Filing Date:

June 13, 2001

Application No.:

09/882,193; and

WHEREAS, Quantum Dot Corporation, a corporation of the state of California, located at 26118 Research Road, Hayward, CA, 94545, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

Assignors hereby authorize and request Townsend and Townsend and Crew LLP, Two Embarcadero Center, 8th Floor, San Francisco, CA 94111-3834, to insert herein above the application number and filing date of said application when known.

EXMISIT to 3-73 (6)

| Attorney Docket No.: 019916-00. Page 2 | 3810US | | | |
|--|--|--|---|--|
| IN TESTIMO | NY WHEREOF, | Assignors have | signed their names | on the dates indicated. |
| Dated: | _ | | - | |
| | | Stephen A | lexander Empedoc | les |
| STATE OF CALIFORNIA |)) ss. | | | |
| COUNTY OF |) | | | |
| On | | before me, | | |
| basis of satisfactory evidence) acknowledged to me that he/sh signature on the instrument the instrument. WITNESS my hand and official | to be the person value executed the same person, or the en | whose name is si me in his/her au | ubscribed to the wi thorized capacity, a | thin instrument, and and that by his/her |
| | | TON | TARY PUBLIC | |
| My Commission Expires: Dated: | | | | * 5 |
| And the second s | _ | And | rew R. Watson | |
| STATE OF CALIFORNIA COUNTY OF |)) ss. | | | |
| On | , 1 | pefore me, | | |
| personally appeared Andrew R satisfactory evidence) to be the acknowledged to me that he/sh signature on the instrument the instrument. WITNESS my hand and official | 2. Watson, personate person whose name executed the same person, or the en | ally known to m ame is subscribed me in his/her au | d to the within insti thorized capacity, a | rument, and and that by his/her |
| | | NOT | TARY PUBLIC | |
| M. Commission Francisco | | | | |

Assignment

| Assignment Attorney Docket No.: 019916-003810US | |
|---|-----|
| Page 3 | |
| | |
| Dated: 8/3//0/ Surely Miles Vince Phillips | |
| STATE OF CALIFORNIA) | |
| COUNTY OF) ss. | |
| personally appeared Vince Phillips, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/sle executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument. |) i |
| DONIELLE M. EQUITE Commission # 12:0231 Notary Public - California Santa Clara County My Comm. Excites My Outbe 90, 2003 | · |
| Dated: | |
| Edith Wong | |
| STATE OF CALIFORNIA) | |
| COUNTY OF) ss. | |
| On, before me,, | |
| personally appeared <u>Edith Wong</u> , personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument. | |
| WITNESS my hand and official seal. | |
| | |
| NOTARY PUBLIC | |
| My Commission Expires: | |

Attorney Docket No.: 19916-003810US Client Reference No.: 0009

ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, Stephen Alexander Empedocles, of 2507 Mardell Way, Mountain View, CA 94043; Andrew R. Watson, of 1 Spring Lane, Belmont, CA 94002; Vince Phillips, of 863 Lewis Avenue, Sunnyvale, CA 94086; Edith Wong, of 22 Voterra Court, Danville, CA 94526; hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention:

SINGLE TARGET COUNTING ASSAYS USING

SEMICONDUCTOR NANOCRYSTALS

Date(s) of execution of Declaration:

Filing Date:

June 13, 2001

Application No.:

09/882,193; and

WHEREAS, Quantum Dot Corporation, a corporation of the state of California, located at 26118 Research Road, Hayward, CA, 94545, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

Assignors hereby authorize and request Townsend and Townsend and Crew LLP, Two Embarcadero Center, 8th Floor, San Francisco, CA 94111-3834, to insert herein above the application number and filing date of said application when known.

(Xh1617 70 3.73(6)

Attorney Docket No.: 019916-003810US Page 2 IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated. Dated: Stephen Alexander Empedocles STATE OF CALIFORNIA SS. COUNTY OF , before me, On personally appeared Stephen Alexander Empedocles, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument. WITNESS my hand and official seal. **NOTARY PUBLIC** My Commission Expires: Dated: 9-6-01 STATE OF CALIFORNIA COUNTY OF , before me, personally appeared Andrew R. Watson, personally known to me for proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument. WITNESS my hand and official seal LOUIS BELISO Comm. # 1307633 OTARY PUBLIC - CALIFORNIA Alameda County My Comm. Expires June 16, 2005

My Commission Expires: Uure 16 2005

Assignment

| Assignment Attorney Docket No.: 019916-003810US Page 3 | |
|---|---|
| Dated: | Vince Phillips |
| STATE OF CALIFORNIA) COUNTY OF) ss. | |
| evidence) to be the person whose name is subscrithat he/she executed the same in his/her authorize | before me,, nown to me (or proved to me on the basis of satisfactory bed to the within instrument, and acknowledged to me ed capacity, and that by his/her signature on the of which the person acted, executed the instrument. |
| WITNESS my hand and official seal. | |
| | NOTARY PUBLIC |
| My Commission Expires: | |
| Dated: Sept 6, 2001 | Edith Wong |
| STATE OF CALIFORNIA) ss. COUNTY OF Managla) ss. On Sept. 6,200, b | efore me, Quis Beliso, Notany |
| evidence) to be the person whose name is subscribed the he/she executed the same in his/her authorize | ibed to the within instrument, and acknowledged to me |
| WITHER Andland Official Sea. Comm. #1307633 NOTARY PUBLIC - CALIFORNIA Alamada County My Comm. Expires June 16, 2005 | NOTARY PUBLIC |

Attorney Docket No.: 19916-003810US Client Reference No.: 0009

ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, Stephen Alexander Empedocles, of 2507 Mardell Way, Mountain View, CA 94043; Andrew R. Watson, of 1 Spring Lane, Belmont, CA 94002; Vince Phillips, of 863 Lewis Avenue, Sunnyvale, CA 94086; Edith Wong, of 22 Voterra Court, Danville, CA 94526; hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention:

SINGLE TARGET COUNTING ASSAYS USING

SEMICONDUCTOR NANOCRYSTALS

Date(s) of execution of Declaration:

Filing Date:

June 13, 2001

Application No.:

09/882,193; and

WHEREAS, Quantum Dot Corporation, a corporation of the state of California, located at 26118 Research Road, Hayward, CA, 94545, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

Assignors hereby authorize and request Townsend and Townsend and Crew LLP, Two Embarcadero Center, 8th Floor, San Francisco, CA 94111-3834, to insert herein above the application number and filing date of said application when known.

(Xhibit 7 3.736)

| Assignment Attorney Docket No.: 019916-003810US Page 2 |
|---|
| IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated. |
| Dated: 8/31/01 |
| Stephen Alexander Empedocles |
| STATE OF CALIFORNIA) |
| COUNTY OF ALAMEDA) ss. |
| On 31St August 2001, before me, RATNIKANT. R. PATEL. |
| personally appeared <u>Stephen Alexander Empedocles</u> , personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument. |
| WITNESS my hand and official seal. |
| RAINIKANT R. PATEL Commission # 1303797 Notary Public - California Alameda County MXFORD FINANCE: May 7-2005 |
| Dated: Andrew R. Watson |
| Andrew R. Walson |
| STATE OF CALIFORNIA) , ss. |
| COUNTY OF) |
| On, before me,, |
| personally appeared Andrew R. Watson, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument. |
| WITNESS my hand and official seal. |
| |
| NOTARY PUBLIC |
| My Commission Expires: |

| Assignment Attorney Docket No.: 019916-003 Page 3 | 8810US | | |
|---|--|---|-------------------------|
| | | | |
| Dated: | | | |
| Dated. | - | Vince Phillips | ı |
| STATE OF CALIFORNIA |)) ss. | | |
| COUNTY OF |) _ | | |
| evidence) to be the person who that he/she executed the same is | se name is subsc n his/her authori: | before me, known to me (or proved to me on the basis ribed to the within instrument, and acknow zed capacity, and that by his/her signature of which the person acted, executed the in | vledged to me on the |
| WITNESS my hand and officia | ıl seal. | | |
| | | | |
| | | NOTARY PUBLIC | |
| My Commission Expires: | <u>.</u> | | |
| | | | |
| Dated: | | Edith Wong | |
| | | Luiui Wong | |
| STATE OF CALIFORNIA |)) ss. | | |
| COUNTY OF |) | | |
| evidence) to be the person whose that he/she executed the same is | se name is subsc n his/her authoriz tity upon behalf | own to me (or proved to me on the basis or ribed to the within instrument, and acknown zed capacity, and that by his/her signature of which the person acted, executed the in | vledged to me on the |
| | | | |
| | | NOTARY PUBLIC | |
| My Commission Expires: | | | |